230.0 MHz SAW Filter
Part Number 261807B

1. Features

- Typical 1dB bandwidth of 18.4 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

Tested by SGS Testing Korea

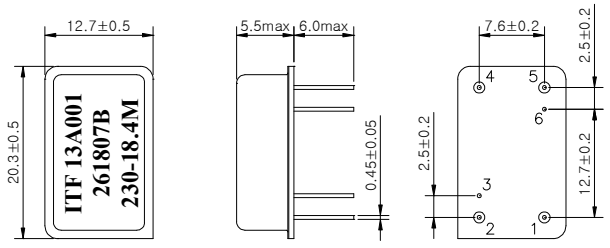
2. Electrical Specifications

Source and Load Impedance = 50Ω

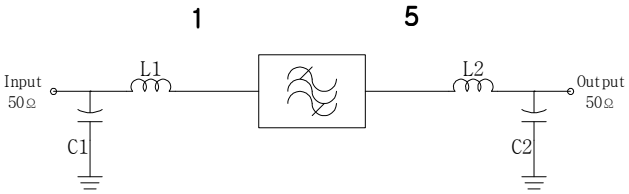
Room Temperature : +25℃		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	229.84	230.0	230.16
Insertion Loss	dB	-	26.8	28.5
1dB Bandwidth	MHz	18.35	18.49	-
3dB Bandwidth	MHz	-	18.86	-
45dB Bandwidth	MHz	-	20.56	20.65
Amplitude Ripple	dB	-	0.6	1.2
Group Delay Variation	nsec	-	40	100
Absolute Delay	usec	-	2.25	-
Ultimate Rejection	dB	47	53	-
Temperature Coefficient of Frequency	ppm/℃	-	-18	-
Substrate Material	-		112-LT	

* Input POWER : 10dBm

D2012 Package Dimension



Matching Schematic



L1 = L2 = 18nH, C1 = C2 = 30pF

Dimensions shown are nominal in millimeters

Base : Fe(SPCC), Au plating over Ni plated
Cap : Cu & Cr Alloy, Ni Plated
Termination : Kovar, Au Plated

Pin Configuration			
Input	**1**	**Ground**	**2,4**
Output	**5**	**Others**	**Ground**

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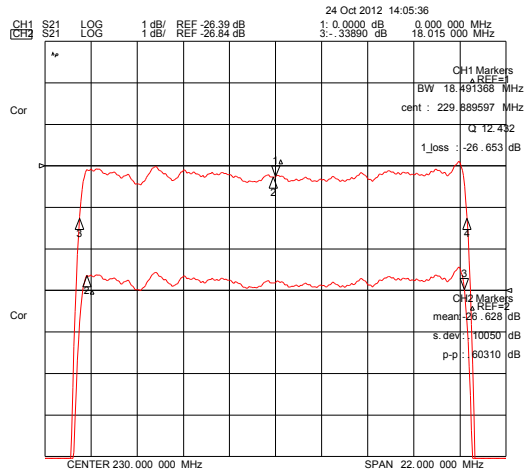
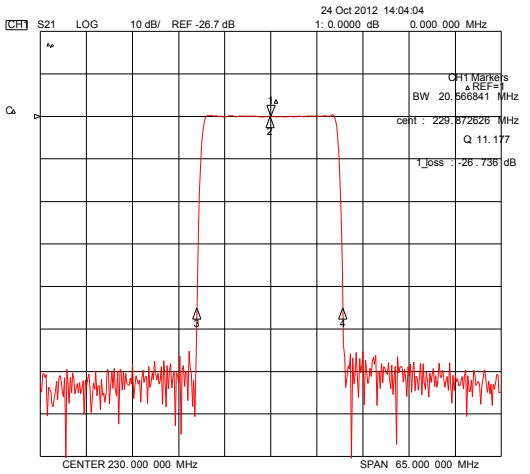
2013. 04. 30
Rev 1.0

3. Typical Performance (at +25℃)

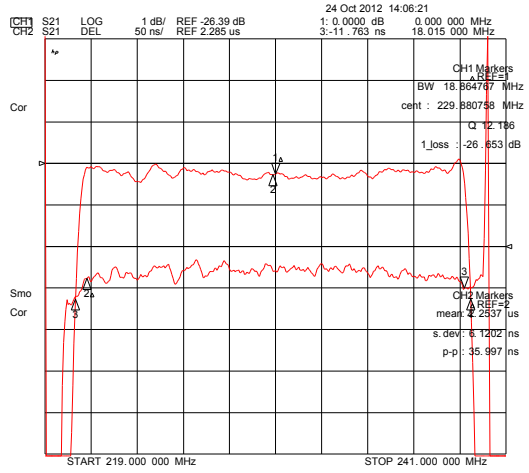
1dB Bandwidth & Ripple



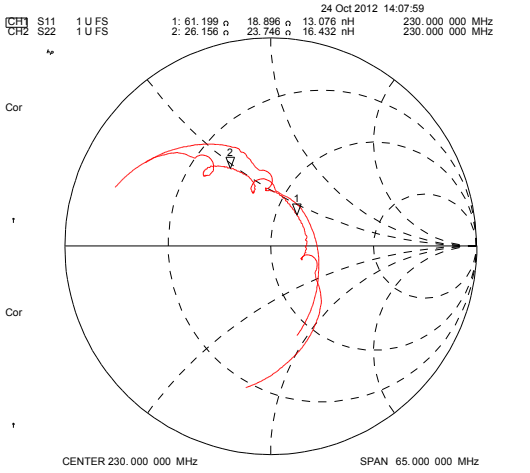
45dB Bandwidth



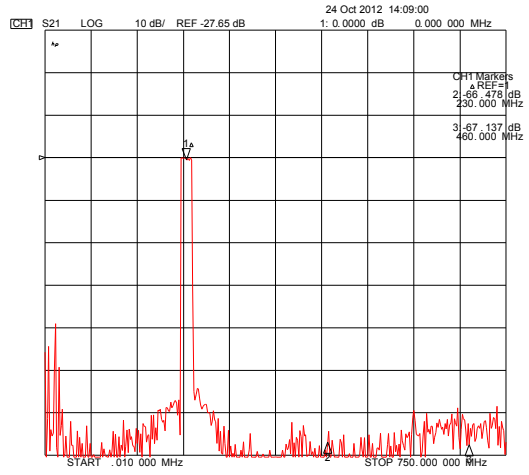
3dB Bandwidth & Group Delay



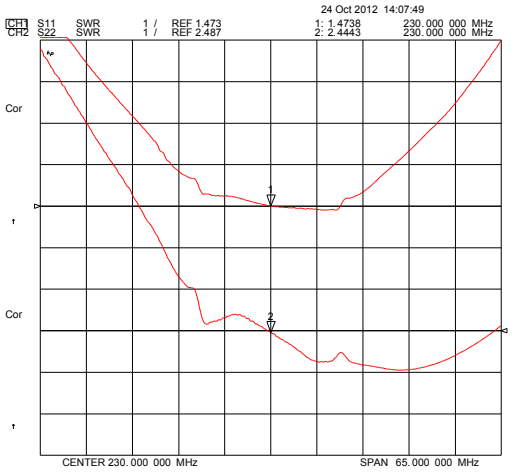
Smith Chart(S11 & S22)



Wideband Properties



SWR(S11 & S22)



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